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AMENDMENTS TO THE CLAIMS

The listing of claims below replaces all prior versions of claims in the application.

1. (Currently Amended): An aluminum alloy-and-resin composite comprising:

a shaped aluminum alloy material that has been subjected to a dipping process in which it

is dipped in a 3 to 10% hydrazine monohydrate aqueous solution at 40 to 70°C, said shaped

aluminum alloy material having fine recesses with a diameter of 30 to 300 nm on the surface of

said shaped aluminum alloy material; and

a thermoplastic resin composition integrally bonded to a surface by filling said fine

recesses of said shaped aluminum alloy material by injection, said thermoplastic resin

composition containing polyphenylene sulfide as a component.

2. (Currently Amended): An aluminum alloy-and-resin composite comprising:

a shaped aluminum alloy material that has been subjected to a dipping process in which

after it has been dipped in a basic aqueous solution and/or an acid aqueous solution for

pretreatment, said shaped aluminum alloy material is dipped in a 3 to 10% hydrazine

monohydrate aqueous solution at 40 to 70°C, said shaped aluminum alloy material having fine

recesses with a diameter of 30 to 300 nm on the surface of said shaped aluminum alloy material;

and

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a thermoplastic resin composition integrally bonded to a surface by filling said fine

recesses of said shaped aluminum alloy material by injection, said thermoplastic resin

composition containing polyphenylene sulfide as a component.

3-4. (Cancelled)

5. (Currently Amended): A production method for an aluminum alloy-and-resin

composite, comprising the steps of:

dipping a shaped aluminum alloy material in a 3 to 10% hydrazine monohydrate aqueous

solution at 40 to 70°C to form fine recesses having a diameter of 30 to 300 nm on the surface of

said shaped aluminum alloy material;

inserting said shaped aluminum alloy material into a mold; and

integrating by filling said fine recesses, a thermoplastic resin composition containing

polyphenylene sulfide to a surface of said shaped aluminum alloy material in said mold.

6. (Currently Amended): A production method for an aluminum alloy-and-resin

composite, comprising the steps of:

dipping a shaped aluminum alloy material in a basic aqueous solution and/or an acid

aqueous solution for pretreatment;

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dipping said shaped aluminum alloy material after said pretreatment in a 3 to 10%

hydrazine monohydrate aqueous solution at 40 to 70°C to form fine recesses having a diameter

of 30 to 300 nm on the surface of said shaped aluminum alloy material;

inserting said shaped aluminum alloy material into a mold; and

integrating by filling said fine recesses, a thermoplastic resin composition containing

polyphenylene sulfide to a surface of said shaped aluminum alloy material in said mold.

7. (Cancelled)

8. (Previously Presented): An aluminum alloy-and-resin composite according to claim

1, wherein said shaped aluminum alloy material is dipped in the hydrazine monohydrate aqueous

solution for several minutes.

9. (Previously Presented): An aluminum alloy-and-resin composite according to claim

2, wherein said shaped aluminum alloy material is dipped in the hydrazine monohydrate aqueous

solution for several minutes.

10. (Previously Presented): A production method for an aluminum alloy-and-resin

composite according to claim 5, wherein said step of dipping said shaped aluminum alloy

material further comprises dipping said shaped aluminum alloy material in the hydrazine

monohydrate aqueous solution for several minutes.

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11. (Previously Presented): A production method for an aluminum alloy-and-resin

composite according to claim 6, wherein said step of dipping said shaped aluminum alloy

material after said pretreatment further comprises dipping said shaped aluminum alloy material

in the hydrazine monohydrate aqueous solution for several minutes.

12. (Previously Presented): An aluminum alloy-and-resin composite according to claim

1 or 2, wherein said shaped aluminum alloy material is dipped in the hydrazine monohydrate

aqueous solution at 50°C for two minutes.

13. (Previously Presented): A production method for an aluminum alloy-and-resin

composite according to claim 6, wherein said step of dipping said shaped aluminum alloy

material after said pretreatment further comprises dipping shaped aluminum alloy material in the

hydrazine monohydrate aqueous solution at 50°C for two minutes.

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